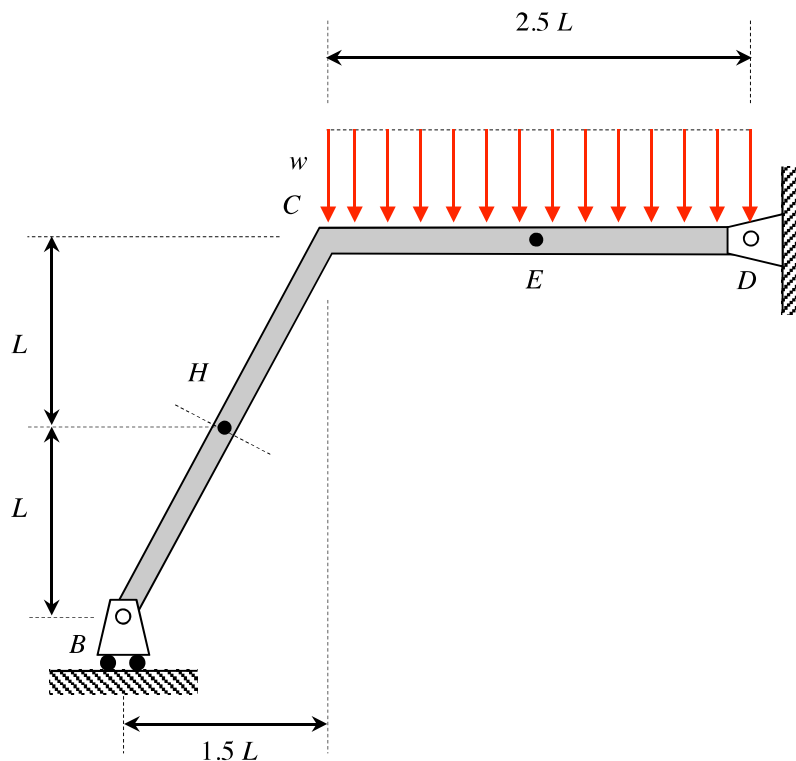


Homework Problem H26.A

Given: Structural member BCD is pinned to ground at end D and is supported by a roller connection at end B.

Find: Consider a mathematical cut in section BC at H that is perpendicular to BC and with H being midway between points B and C. Determine the internal reactions on section BH at H.

For this problem, use the following parameters: $L = 8$ ft and $w = 200$ lb/ft.



Homework Problem H26.B

Given: A socket wrench is used to loosen a bolt with a load P acting on end C of the wrench's handle.

Find: Determine the internal resultants on section OB at location B on the socket OD.

For this problem, use the following parameters: $L = 14$ in, $b = 8$ in and $P = 90$ lb.

